

## CONTACT

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🌐 kingtaojasonng

in jasonkng

## SKILLS

Data Analysis	5+ yrs
Leadership	1+ yrs
Statistics	5+ yrs
Strategic Thinking	4+ yrs
Software Quality Assurance	1+ yrs
Project Management	5+ yrs
Business Analysis	4+ yrs
Software Engineering	4+ yrs

# KING TAO JASON NG

An experienced all-round data scientist

## EDUCATION

<b>Master of Research in Computer Science</b> Macquarie University	2021 - Present
Thesis: Bayesian Inference for Document-Level Causal Relation Identification	
<b>Master of Data Science</b> University of Sydney	2016 - 2019
Thesis: Academic Capability Mapping	
<b>Master of Economics in Econometrics and Financial Economics</b> University of Sydney	2008 - 2012
<b>Master of Information Technology in Knowledge Systems and Data Mining</b> University of New South Wales	2005 - 2007
<b>Bachelor of Science in Computer Science</b> University of New South Wales	2001 - 2005

## WORK EXPERIENCE

<b>Senior Data Scientist</b> Chief Data and Analytics Office, ASIC	Jul 22 - Present
Lead and implement Licensing Assessment Application	
<b>Senior Analytics Platform Owner</b> Chief Data and Analytics Office, ASIC	Jul 21 - Jul 22
Promote Databricks	
<b>Data Scientist</b> Chief Data and Analytics Office, ASIC	Oct 19 - Jul 21
Lead and implement NLP Prospectuses using Python; Propose and design NLP pipeline	
<b>Analyst</b> Market Infrastructure, ASIC	Jul 16 - Oct 19
Propose and implement Wash Trade Detection using KDB+/Q; Design and implement Market Data Analytics Hub using Elastic Stack	
<b>Analyst</b> Market & Participant Supervision, ASIC	Jan 13 - Jul 16
Manage and implement Market Analysis and Intelligence Surveillance System; Draft Technology and Analytics Capability Review	

# ACHIEVEMENTS

## Australia Day Achievement Award

### ASIC

Launched Market Analysis and Intelligence Surveillance System

## ARI Award

Aristocrat Technologies Australia

## Competent Communicator

Toastmasters International

Sessional Teaching Academic  
School of Computing, Macquarie University

Feb 22 - Jun 22

Teach Document Processing and Semantic Technologies (COMP3220)

## Data Scientist

School of Computer Science, University of Sydney

Aug 17 - Jun 19

Design and develop Researcher Collaboration Recommendation System using Python and D3.js

## Intranet Programmer

Information and Communications Technology, Scots College

Oct 11 - Dec 11

Maintain and manage IBM DB2

## Domain Analyst

Wagering Technology, Tabcorp Holdings Limited

Mar 11 - May 11

Manage requirements for Customer Loyalty Project

## Software Engineer

Studio Development, Aristocrat Technologies Australia

Jul 08 - Mar 11

Design and implement gaming applications in C and C++; Propose gaming concepts to senior management

## Graduate Software Engineer

Platform Development, Aristocrat Technologies Australia

Jul 07 - Jul 08

Design and develop networking protocols for casino management systems in C and C++

## Graduate Test Engineer

Software Integrity Testing, Aristocrat Technologies Australia

Jan 07 - Jul 07

Develop test plans; Perform unit and integration tests

# PUBLICATIONS

## Hierarchical Word Mover Distance for Collaboration Recommender System

2018

Chao Sun, King Tao Jason Ng, Philip Henville and Roman Marchant

The 16th Australasian Data Mining Conference, AusDM 2018, Bathurst, NSW, Australia, November 28 - 30, 2018, Revised Selected Papers

# PROJECTS

## Researcher Collaboration Recommendation System Tool: Python, D3.js

2018

# WORKSHOPS & CONFERENCES

13th Data Management Community  
Australia Taxation Office

Jun 20

## PROFESSIONAL MEMBERSHIPS

- Toastmaster Club
- The Econometrics Society
- Association Computing Machinery (ACM)
- Institute of Electrical and Electronics Engineers (IEEE)